

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~An optical scanner, vibration compensation device for an optical scanner having a platform for holding a scan document, an optical system and a light sensing device, the vibration compensation device comprising:~~

a light sensing device;

an optical system;

a vibration sensor mounted on the light-sensing device of the optical scanner, the vibration sensor capable of detecting a magnitude of vibration of the light-sensing device;

a controller connected to the vibration sensor, the controller capable of measuring the magnitude of vibration of the light-sensing device and further capable of producing a corresponding actuator signal; and

an actuator independently connected to the controller and to the optical system of the scanner for, the actuator capable of adjusting the optical system according to the actuator signal such that overall effects due to vibration are minimized.

2. (Currently Amended) ~~The optical scanner vibration compensation device of claim 1, wherein the optical system further includes; comprises a set of flat mirrors, the actuator capable and method of adjusting the optical system through the actuator includes rotating one of the flat mirrors.~~

3. (Cancelled)

4. (Currently Amended) A method of compensating the for vibration inside of an optical scanner, ~~having a platform for holding a scan document, an optical system and a light sensing device, the method~~ comprising:

measuring the a magnitude of vibration of the a light-sensing device;

converting the measured vibration magnitude into ~~an electrical signal so that~~ an actuator signal ~~corresponding to the electrical signal is produced; and~~

compensating for the measured vibration by adjusting the an optical system according to the actuator signal.

5. (Currently Amended) The method of claim 4, wherein ~~the optical system further includes a set of flat mirrors and the method of adjusting the optical system through the actuator includes~~ comprises rotating ~~one of the flat~~ a mirrors.

6. (Cancelled)

7. (New) An apparatus comprising:

means for sensing a vibration of a light-sensing device of an optical device;

means for converting said vibration to an actuator signal; and

means for adjusting an optical system of said optical device according to the actuator signal.

8. (New) The apparatus of claim 7 wherein said means for adjusting the optical system comprises means for adjusting a mirror.

9. (New) An article comprising:

a storage medium;

said storage medium having stored thereon instructions, that if executed, result in the following method being performed:

measuring a magnitude of vibration of a light-sensing device;
converting the measured magnitude of vibration into an actuator signal; and
compensating for said vibration by adjusting the optical system according to said actuator signal.

10. (New) The article of claim 9 wherein adjusting the optical system comprises adjusting a mirror.